United States Patent [19]

Sklarew

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[54] **HANDWRITTEN KEYBOARDLESS ENTRY COMPUTER SYSTEM**

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Related U.S. Application Data

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[52] U.S. Cl. **382/13**; 382/57; 382/59; 178/18
[58] Field of Search 382/13, 24, 57, 14; 340/706, 707, 709; 178/18, 19, 20

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[57] **ABSTRACT**

A keyboardless entry computer system includes a transparent input screen that generates positional information when contacted by a stylus, and a display screen mounted physically below the input screen such that a character that is displayed can be seen below the input screen. The system includes a computer that has been programmed to compile the positional information into Strokes, to calculate Stroke characteristics, and then compare the Stroke characteristics with those stored in a database in order to recognize the symbol drawn by the stylus. Key features of the system are: (1) transparent position sensing subsystem; (2) underlying display on which to mimic drawing of sensed positions and to show characters or symbols; (3) means to convert sensed positions first into plotted Points and then into recognized characters or symbols; and (4) means to "learn" to associate sensed input positions with a character or symbol.

21 Claims, 14 Drawing Sheets